

ABSTRACT OF THE DISCLOSURE

A data processing method for the hybrid ARQ type II/III on a wide-band radio communication system includes the steps of: a) generating a data and side information on the radio link control (hereinafter, referred to as a RLC) layer and transmitting the generated data and the side information to MAC-D when a medium access control common (hereinafter, referred to as a MAC-C) converting a common channel part and a medium access control dedicated (hereinafter, referred to as a MAC-D) converting a common user part of the medium access control (hereinafter, referred to as a MAC) are separated from each other and exist on a different radio network; b) transmitting the data and the side information to a node B through a transport channel; and c) converting each of the data and the side information to a radio transmission form and transmitting it to a user equipment (UE) through a physical channel, after multiplexing.